

**NOTICE OF DRAFTSPERSON'S PATENT DRAWING REVIEW**The drawing(s) filed (insert date) **03/19/02** are

- A ☐ approved by the Draftsperson under 37 CFR 1.81 or 1.152.  
 B ☒ objected to by the Draftsperson under 37 CFR 1.81 or 1.152 for the reasons indicated below. Corrected drawings are required.

**1. DRAWINGS.** 37 CFR 1.84(a). Acceptable categories of drawings: Black ink on color or white background.

Color drawings are not acceptable until permission is granted. (Fig. 1)

Pencil and non-black ink not permitted. (Fig. 1)

**2. PHOTOGRAPHS.** 37 CFR 1.81.

Full-tone set is required. (Fig. 1)

Photographs may not be mounted. 37 CFR 1.84(a).

Photographs must be on white paper suitable for use as a drawing. 37 CFR 1.84(b), 1.84(c).

Poor quality drawings. (Fig. 1)

**3. TYPE OF PAPER.** 37 CFR 1.84(a).

Paper not flexible, strong, white, and durable. (Fig. 1)

☒ Erasures, alterations, overwritings, interlineations, fold, copy machine marks not acceptable. (Fig. 1)

**4. SIZE OF PAPER.** 37 CFR 1.84(b). Acceptable sizes:

24 cent by 29.7 cent (485 mm by 467 mm).

34 cent by 27.9 cent (863 mm by 709 mm).

Acid-free, non-bleed, and fast-drying.

Sheet size.

For drawings, the size of the sheet must be at least:

**5. MARGINS.** 37 CFR 1.84(c). Acceptable margins:

Top and bottom: 10 mm (3/8 inch); Sides: 5 mm (3/16 inch).

Margins must be acceptable. (Fig. 1)

Top: 10 mm (3/8 inch); Left: 10 mm (3/8 inch).

Right: 10 mm (3/8 inch); Bottom: 10 mm (3/8 inch).

**6. VIEWS.** 37 CFR 1.84(b).

REMINDER: Specifications of drawings must be complete. If a drawing is not complete, it must be corrected. If a drawing is not complete, it must be corrected. If a drawing is not complete, it must be corrected.

Views not labeled, appropriate. (Fig. 1)

Fig. 1

**7. SECTIONAL VIEWS.** 37 CFR 1.84(b).

Sectional views must show the internal structure.

Arrows or Roman numerals. (Fig. 1)

**8. ARRANGEMENT OF VIEWS.** 37 CFR 1.84(b).

Words do not appear on a horizontal, left-to-right position when page is either upright or turned so that the top becomes the right side, except for graphs. (Fig. 1)

**9. SCALE.** 37 CFR 1.84(b).

Scale not large enough to show mechanism without crowding when drawing is reduced in size to two-thirds in reproduction.

(Fig. 1)

**10. CHARACTER OF LINES, NUMBERS, & LETTERS.** 37 CFR 1.84.

☒ Lines, numbers & letters not written clearly and self-defining. (Fig. 1) (Fig. 1-8)

**11. SHADING.** 37 CFR 1.84(a).

Solid black areas must be used.

Soft shading, shading not permitted. (Fig. 1)

**12. NUMBERS, LETTERS, & REFERENCE CHARACTERS.** 37 CFR 1.84(b).

Numbers and reference characters not printed. (Fig. 1)

Letters and reference characters not printed.

Numbers and reference characters not oriented in a vertical direction. (Fig. 1) (Fig. 1-8)

Numbers and reference characters not printed. (Fig. 1)

Fig. 1

Numbers, letters and reference characters must be at least 32 mm (1.25 inch) in height. 37 CFR 1.84(b).

**13. LEAD LINES.** 37 CFR 1.84(b).

Lead lines must be used.

**14. NUMBERING OF SHEETS OF DRAWINGS.** 37 CFR 1.84(b).

Fig. 1

Sheet numbering must be in the top right corner. (Fig. 1) (Fig. 1-8)

**15. NUMBERING OF VIEWS.** 37 CFR 1.84(b).

Views must be numbered consecutively. (Fig. 1) (Fig. 1-8)

Views must be numbered consecutively. (Fig. 1) (Fig. 1-8)

**16. DESIGN DRAWINGS.** 37 CFR 1.152.

Surface shading is not appropriate.

(Fig. 1)

Solid black surface shading is not permitted except when used to represent the color black as well as color contrast. (Fig. 1)

**COMMENTS:**

Reviewed by **LAM**

If you have questions, call 703-588-4841.

Date **07/01/03**

Assigned to Paper No. \_\_\_\_\_